U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 93-523

PLATE 19

PERCENT SANDSTONE
3 METER ROOF ON THE MAIN SONDA COAL BED

EXPLANATION

67 UAS-3 — Percent sandstone within the first 3-meter interval overlying the main Sonda coal bed, borehole data

50% — Percent sandstone isopleth, dashed where uncertain

Base map metric grid digitally generated by USGS, Reston, Virginia.
Data points located relative to grid from best available information.
Latitude and longitude adjusted to grid from Survey of Pakistan 1:50,000 scale topographic maps on paper copy.
Selected drainage and cultural features added later at USGS from same topographic maps and are shown for reference only.

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards, the North American Stratigraphic Code, or the Stratigraphic Code of Pakistan.

INDEX TO MAPS AND EDITIONS USED IN COMPILATION

35 O/15 2nd.ed.	40 c/3 3rd.ed.	40 c/7 3rd.ed.
35 O/16 2nd.ed.	40 c/4 3rd. ed.	40 c/8 3rd.ed.
2nd.ed. 35 p/13	2nd.ed. 40 d/1	2nd.ed. 40 d/5

STUDY AREA

SCALE 1:50 000

1 5 0 1 2 3 4 5 6 7 8 9 KILOMETERS
1 ½ 0 1 2 3 4 5 MILES

PREPARED JOINTLY BY THE GEOLOGICAL SURVEY OF PAKISTAN AND THE UNITED STATES GEOLOGICAL SURVEY UNDER THE AUSPICES OF THE UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT

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EXPLANATION

- DISTRICT BOUNDARY
- SURFACED ROAD
- UNSURFACED ROAD
- RAILROAD
- POPULATED PLACE
- COAL DRILL HOLE
- MINE
- OIL & GAS TEST

GRID AND DATA POINT LOCATIONS

PROJECT COAL REAP(GSP/USGS/USAID)	
Map title	JHERRUCK AREA
Compiled by	JRS
Drawn by	Saleem Ahmed, Faheemuddin & Abdul Fatah
Processed by	B.Z. Zahid, G.R. Soomro, H.A. Qaiser, M. Qasim.
Date	11 March 90
Revised	18 Feb 92 26 Aug 93

PERCENT SANDSTONE MAP, THREE METER ROOF INTERVAL ABOVE THE MAIN SONDA COAL BED, JHERRUCK AREA, SINDH PROVINCE, PAKISTAN

By

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1993